Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1708	(cir (channel adj impulse adj response)) near3 (estimat\$5 calcul\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR .	ON	2006/11/20 12:41
L2	26431	(channel) near3 (estimat\$5 calcul\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 07:32
L3	26596	12	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 07:32
L4	82985	plurality near2 channel	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 07:33
L5	1176	3 same 4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 07:33
L6	4786	symbol near2 timing	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 09:52
L7	8	5 same 6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 07:44
L8	47	(5 and 6) not 7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 07:44
L9	17	integrat\$4 same 5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 08:05
L10	11612	second adj antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 08:05
L11	160	3 same 10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 08:05

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L12	157	11 not (8 9)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 08:39
L13	1427	mimo and 3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 08:39
L14	7471886	(sum\$4 comb\$6 add\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 08:40
L15	2014	14 near4 4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 08:40
L16	17	13 and 15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON ·	2006/11/20 08:45
L17	5410	3.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 08:46
L18	97	15 and 17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 09:11
L19	295	3 same antenna same timing	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 09:11
L20	78	19 same 14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR .	ON	2006/11/20 09:13
L21	76	20 not 18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 09:13
L22	6489	symbol near4 timing	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 09:52
L23	360	3 same 22	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 09:53

L24	95	14 same 23	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 09:53
L25	86	24 not (21 18 16 9)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 12:05
L26	40	1 same integrat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 12:35
L27	46	22 same 1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 12:36
L28	4053	magnitude near2 squar\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 12:41
L29	8	1 same 28	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 13:38
L30	94	("20040100939" "20040105512" "20030072395" "20050249319" "20060159188" "6731668" "6850481" "7009931" "7120201" "20020122382" "20030072255" "20030165183" "20030218973" "20040131011" "20040141566" "20040179626" "20040190636" "20040192218" "2005009476" "20050099937" "20050152317" "20050190786" "20050195734" "20050220209" "20050232370" "20050254556" "20050281322" "20060023745" "20060034382" "20060023745" "20060056529" "20060087960" "20060153312" "20060187876" "20060299667" "20060259941" "20060251193" "20060252386" "20050237971" "20050281241" "20060056528" "20060153282" "6760388" "6785341" ).pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 13:43

L31	8467	training same (cir (channel impulse adj response))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 15:24
L32	260	integrat\$6 same 31	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 15:02
L33	5	22 same 32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 15:05
L34	85	14 same 32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 15:23
L35	757	training same (cir (channel adj impulse adj response))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 15:24
L36	100	35.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 15:24
S1	13160	cir (carrier adj2 interference)	USPAT	OR	OFF	2006/11/17 20:27
S2	28411	diversity	USPAT	OR	OFF	2006/11/17 20:27
S3	91	S1 same S2	USPAT	OR	OFF	2006/11/17 20:53
S4	3	timing same S3	USPAT	OR	OFF	2006/11/17 20:27
S5	4	("4715048"   "4935940"   "4972423"   "5031193").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/17 20:30
S6	11	("5164964").URPN.	USPAT	OR	OFF	2006/11/17 20:40
S7	5305	second adj antenna	USPAT	OR	OFF	2006/11/17 20:40
S8	4	S1 same S7	USPAT	OR	OFF	2006/11/17 20:41
S9	13023	cir (channel adj impulse adj response)	USPAT	OR	OFF	2006/11/19 00:32
S10	17731	cir (channel adj impulse adj response)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/17 22:07
S11	67240	diversity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/17 22:07

S12	222	S10 same S11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/17 22:07
S13	22	timing same S12	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/17 22:07
S14	3	("5481572"   "5499272"   "5537443"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/17 22:18
S15	12	("5701333").URPN.	USPAT	OR	OFF	2006/11/17 22:30
S16	349	S10 near6 (combin\$5 sum\$5 add\$5)	USPAT	OR	OFF	2006/11/17 22:31
S17	688	S10 near6 (combin\$5 sum\$5 add\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/17 22:49
S18	11139	second adj antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/17 22:31
S19	0	S17 same S18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/17 22:32
S20	100400	antennas antennae	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/17 22:32
S21	182	S17 and S20	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR .	OFF	2006/11/17 22:32
S22	19	S17 same S20	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/17 22:32
S23	7	("4870579"   "5249200"   "5295136"   "5432821"   "5546430"   "5677951"   "6061444").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/17 22:37
S24	2	("6404827").URPN.	USPAT	OR.	OFF	2006/11/17 22:47
S25	1357	S10 and diversity	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/17 22:48

S26	12	S17 same integrat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/17 22:49
S27	3	("5228058"   "5303263"   "5519727"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/17 22:51
S28	9	("5673288").URPN.	USPAT	OR	OFF	2006/11/17 22:52
S29	616	(cir (channel adj impulse adj response)) near3 (estimat\$5 calcul\$6)	USPAT	OR	OFF	2006/11/19 00:35
S30	1708	(cir (channel adj impulse adj response)) near3 (estimat\$5 calcul\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/19 00:35
S31	. 132	mimo and S30	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/19 00:36
S32	67	timing and S31	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/19 14:23
S33	1708	(cir (channel adj impulse adj response)) near3 (estimat\$5 calcul\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/20 07:31
S34	132	mimo and S33	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/19 14:23
S35	67	timing and S34	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/19 14:23

#### 10644702\_CLS.txt Most frequently occurring classifications of patents returned from a search Of 10644702 on Nov 20 , 2006

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Original Classifications

9 375/267

7 370/208

5 375/260

3 375/146
        975322222
                        375/340
                        370/210
                       455/101
370/203
370/343
Cross-Reference Classifications
3 375/260
3 375/299
3 370/344
2 375/267
2 370/208
2 370/281
2 370/480
2 375/346
2 370/334
Combined Classifications
11 375/267
9 370/208
     11
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8
3
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3
2
2
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2
2
2
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2
2
                      375/260
375/340
375/299
370/210
370/344
375/146
455/101
370/281
370/480
375/265
375/346
370/338
370/203
370/334
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Titles of most frequently occurring classifications of patents returned from a search of 10644702 on Nov 20 , 2006
          .o/ (9 OR, 2 XR)
Class 375
                          PULSE OR DIGITAL COMMUNICATIONS
          375/259
375/260
                          .SYSTEMS USING ALTERNATING OR PULSATING CURRENT
                          ..Plural channels for transmission of a single pulse train
           375/267
                          ...Diversity
     370/208
                    (7 OR, 2 XR)
           Class 370
                          MULTIPLEX COMMUNICATIONS
           370/203
                          .GENERALIZED ORTHOGONAL OR SPECIAL MATHEMATICAL TECHNIQUES
           370/208
                          ..Particular set of orthogonal functions
          .00 (5 OR, 3 XR)
Class 375 PIII CT
    375/260
                          PULSE OR DIGITAL COMMUNICATIONS
           375/259
                          .SYSTEMS USING ALTERNATING OR PULSATING CURRENT
           375/260
                          ..Plural channels for transmission of a single pulse train
          (2 OR, 1 XR)
Class 375 PULSE OF
375/316
    375/340
                          PULSE OR DIGITAL COMMUNICATIONS
                          .RECEIVERS
           375/340
                          ..Particular pulse demodulator or detector
          (0 OR, 3 XR)
Class 375
                          PULSE OR DIGITAL COMMUNICATIONS
           375/295
                          .TRANSMITTERS
           375/299
                          ..Plural diversity
    370/210
                    (2 OR, 1 XR)
           class 370
                          MULTIPLEX COMMUNICATIONS
           370/203
                          .GENERALIZED ORTHOGONAL OR SPECIAL MATHEMATICAL TECHNIQUES
           370/210
                          .. Fourier transform
     370/344
                    (0 \text{ OR}, 3 \text{ XR})
           class 370
                          MULTIPLEX COMMUNICATIONS
           370/310
                          .COMMUNICATION OVER FREE SPACE
           370/343
                          ... Combining or distributing information via frequency
channels
          370/344
                          ...Multiple access (e.g., FDMA)
                    (3 OR, 0 XR)
  3
          Class 375
                          PULSE OR DIGITAL COMMUNICATIONS
          375/130
                          .SPREAD SPECTRUM
           375/140
                          ..Direct sequence
           375/146
                          ...Transmitter
          (2 OR, 1 XR)
Class 455 TELES
     455/101
                          TELECOMMUNICATIONS
          455/91
                          .TRANSMITTER
          455/101
                          ..Diversity
                    (0 OR, 2 XR)
     370/281
          Class 370
                          MULTIPLEX COMMUNICATIONS
          370/276
                          .DUPLEX
          370/277
                          ... Communication over free space
          370/281
                          ...Frequency division
                    (0 OR, 2 XR)
          Class 370
                         MULTIPLEX COMMUNICATIONS
          370/464
                          .COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL
CHANNELS
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10644702\_CLSTITLES.txt

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10644702_CLSTITLES.txt
          370/480
                         ..Combining or distributing information via frequency
channels
                   (1 OR, 1 XR)
  2 375/265
          Class 375
                         PULSE OR DIGITAL COMMUNICATIONS
          375/259
                         .SYSTEMS USING ALTERNATING OR PULSATING CURRENT
          375/260
                         ..Plural channels for transmission of a single pulse train
          375/261
375/265
                         ...Quadrature amplitude modulation
                         ....Trellis encoder or Trellis decoder
                   (0 OR, 2 XR)
    375/346
          Class 375
                         PULSE OR DIGITAL COMMUNICATIONS
          375/316
375/346
                         :RECEIVERS
                         ..Interference or noise reduction
 2 370/338
                   (1 OR, 1 XR)
          class 370
                        MULTIPLEX COMMUNICATIONS
          370/310
370/328
                         .COMMUNICATION OVER FREE SPACE
                         ...Having a plurality of contiguous regions served by
respective fixed stations
          370/338
                         ...Contiguous regions interconnected by a local area network
    370/203
                   (2 OR, 0 XR)
          class 370
                         MULTIPLEX COMMUNICATIONS
          370/203
                         .GENERALIZED ORTHOGONAL OR SPECIAL MATHEMATICAL TECHNIQUES
          (2 OR, 0 XR)
Class 370 MIII T
    370/343
                        MULTIPLEX COMMUNICATIONS
          370/310
                         .COMMUNICATION OVER FREE SPACE
          370/343
                         ... Combining or distributing information via frequency
channels
                    (0 OR, 2 XR)
 2 370/334
          Class 370
                         MULTIPLEX COMMUNICATIONS
          370/310
370/328
                         .COMMUNICATION OVER FREE SPACE
                         .. Having a plurality of contiguous regions served by
respective fixed stations
          370/329
                         ...Channel assignment
          370/331
                         ....Hand-off control
          370/332
                         .....Based upon a particular signal quality measurement
          370/334
                         ..... Using multiple antennas at a station
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